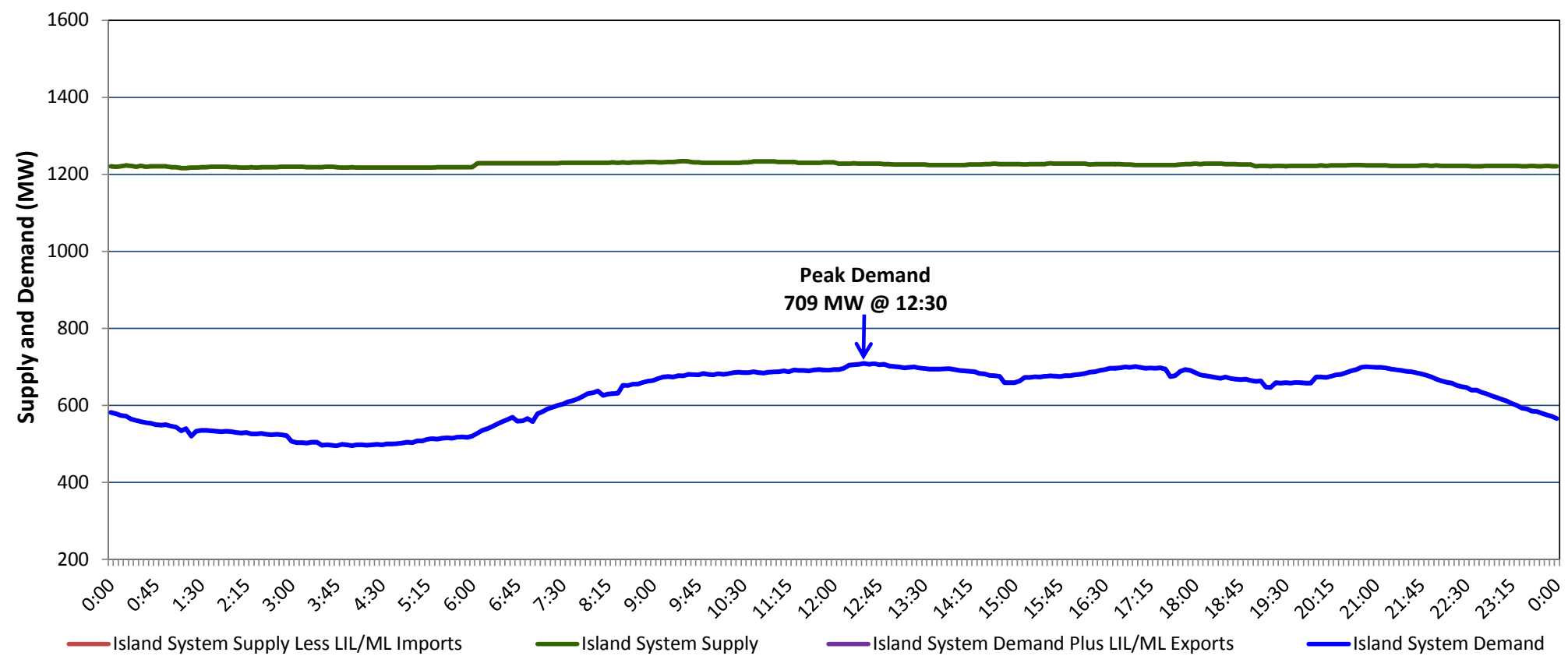


**Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, August 16, 2019**

**Section 1
Island Interconnected System Supply, Demand & Exports
Actual 24 Hour System Performance For Thursday, August 15, 2019**



Supply Notes For August 15, 2019

- A As of 1303 hours, May 26, 2019, Bay d'Espoir Unit 7 unavailable due to planned outage (153.4 MW).
- B As of 0800 hours, June 17, 2019, Holyrood Unit 2 unavailable due to planned outage (170 MW).
- C As of 1457 hours, June 28, 2019, Stephenville Gas Turbine available at 25 MW (50 MW).
- D As of 0800 hours, July 29, 2019, Holyrood Unit 1 unavailable due to planned outage (170 MW).
- E As of 0800 hours, July 29, 2019, Holyrood Unit 3 unavailable due to planned outage (150 MW).
- F As of 1504 hours, August 04, 2019, Cat Arm Unit 2 unavailable due to planned outage (67 MW).

**Section 2
Island Interconnected Supply and Demand**

Fri, Aug 16, 2019	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,215 MW	Friday, August 16, 2019	14	14	760	760
NLH Island Generation: ⁴	955 MW	Saturday, August 17, 2019	15	15	745	745
NLH Island Power Purchases: ⁶	70 MW	Sunday, August 18, 2019	15	17	760	760
Other Island Generation:	190 MW	Monday, August 19, 2019	17	18	795	795
ML/LIL Imports:	-	Tuesday, August 20, 2019	18	20	780	780
Current St. John's Temperature & Windchill:	13 °C	Wednesday, August 21, 2019	20	17	785	785
7-Day Island Peak Demand Forecast:	795 MW	Thursday, August 22, 2019	14	15	795	795

Supply Notes For August 16, 2019

- Notes:
1. Generation outages for running and corrective maintenance are included. These are not unusual for power system operations. They generally do not impact customer supply. The power system operators schedule outages to system equipment whenever possible to coincide with periods when customer demands are low and sufficient supply reserves are available. However, from time to time equipment outages are necessary and reserves may be impacted.
 2. Due to the Island system having no synchronous connections to the larger North American grid, when there is a sudden loss of large generating units there may be a requirement for some customer's load to be interrupted for short periods to bring generation output equal to customer demand. This automatic action of power system protection, referred to as under frequency load shedding (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
 3. As of 0800 Hours.
 4. Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 5. Gross output from all Island sources (including Note 4).
 6. NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
 7. Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

**Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak**

Thu, Aug 15, 2019	Actual Island Peak Demand ⁸	12:30	709 MW
Fri, Aug 16, 2019	Forecast Island Peak Demand		760 MW

- Notes: 8. Island Demand / LIL / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).